IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s):	Donald C. Likes, Russell C. Brown		
Assignee:	Advanced Micro Devices, Inc.		
Title:	Communication Scheme-Independent Infrastructure		
Serial No.:	10/085,965	Filing Date:	February 28, 2002
Examiner:	Kevin T. Bates	Group Art Unit:	2155
Docket No.:	TT3973	Customer No.:	53362

Austin, Texas
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PRE-APPEAL BRIEF REQUEST FOR REVIEW AND STATEMENT OF REASONS

Sir:

Applicant requests review of the Final Rejection in the above-identified application. No amendments are being filed with the request. This request is being filed with a Notice of Appeal. The following sets forth a succinct, concise, and focused set of arguments for which the review is being requested.

CLAIM STATUS

Claims 1 - 6, 8 - 15, 17 - 23, 25 and 26 stand rejected under 35 U.S.C. § 102(b) as being anticipated by U.S. Patent No. 5,710,908 issued to Man (Man).

REMARKS

The present invention generally relates to a communication infrastructure that allows application programs within a software system to dynamically use services, such as receiving and transmitting messages, through a common application program interface (API). The communication infrastructure allows the specific communication schemes that are being used to be isolated from the application programs such that the application programs are not dependent upon a particular communication scheme.

For example, the present invention, as set forth by independent claim 1, relates to a method which includes obtaining a message from a first component of a software system, identifying a module to handle scheme-specific communication of the message and using the module for communicating the message from the first component to a second component of the software system. The message communicating includes using a first resource locator to identify the first component and using a second resource locator to identify the second component. The first resource locator includes a first resource locator communication scheme indication portion, a first resource locator network node name indication portion, a first resource locator port identifier indication portion and a first resource locator path indication portion. The second resource locator includes a second resource locator communication scheme indication portion, a second resource locator network node name indication portion, a second resource locator port identifier indication portion and a second resource locator path indication portion.

Man relates to a method of transmitting data between application programs independent of any specific protocol. More specifically, Man discloses a protocol independent method of transmitting a data packet from a first application program executing on a first device which is interfaced to a LAN to a second application program executing on a second device which is interfaced to the LAN. A protocol independent interface (PII) program is initialized which determines which protocols are available for use, assigns an access line to each protocol that is available for use, assigns an access ID to the first application program, and creates mapping information that indicates a one-to-one correspondence between an access ID/access line pair and a block of protocol specific information which includes a protocol header having predetermined address data. A data packet is sent to the PII program together with the access ID of the first application program and a destination ID for the second application program, and one of the available protocols is selected to transmit the data packet. A block of protocol specific information is retrieved from the mapping information based on the access ID of the first application program and the access line corresponding to the selected protocol, and a transmission packet is formed which includes the data packet, the destination ID, and the retrieved block of protocol specific information. The transmission packet is then transmitted via the LAN.

In response to Applicant's arguments, the Examiner set forth:

The applicant argues that the reference, does not teach resource locators for each component, where the resource locators have a scheme indication portion, name indication portion, port indication portion and path indication portion. The examiner disagrees, the reference, Man, discloses that the device receiving messages looking for an access ID along with receiving the messages (Column 10, 35 – 42), this access ID, is matched with an access line, to create a one to one mapping to a set of resource information about how that device needs to handle the received packet and identifies which component has sent the message (Column 6, lines 50 – 55), as seen in the claim mapping to the new limitations, this access ID/ access line works as a resource locator for providing indications of paths, ports, names, and schemes that are used by the device in making forwarding and message handling decisions. (Final Office action, Pages 5 and 6.)

The portion of Man to which the Examiner refers sets forth:

> A data packet is sent from the PII program together with the access ID of the first application program and a destination ID for the second application program, and one of the available protocols is selected to transmit the data packet. A block of protocol specific information is retrieved from the mapping table based on the access ID of the first application program and the access line corresponding to the selected protocol, and a transmission packet is formed which includes the data packet, the destination ID, and the retrieved block of protocol specific information. (Man, Col. 10, lines 34 – 44.)

As well as

> During an initialization process described below, PII 255 assigns a unique identifier referred to as an access ID to each management program. The access ID may be, for example, the MAC address of the device together with an additional number to unique identify each of SNMP manager 265 and CMIP manager 265. (Man, Col. 6, lines 50 – 55.)

The cited sections of Man, nor anywhere else in Man, do not disclose or suggest communicating a message including using a first resource locator to identify a first component and using a second resource locator portion to identify a second component, much less the details of the first and second resource locator portions as claimed.

Accordingly, Man does not teach or suggest a method which includes communicating a message from a first component to a second component where the message communicating includes using *a first resource locator to identify the first component* and using *a second resource locator to identify the second component*, much less where *the first resource locator includes a first resource locator communication scheme indication portion, a first resource locator network node name indication portion, a first resource locator port identifier indication portion and a first resource locator path indication portion; and the second resource locator includes a second resource locator communication scheme indication portion, a second resource*

locator network node name indication portion, a second resource locator port identifier indication portion and a second resource locator path indication portion, all as required by claim 1. Accordingly, claim 1 is allowable over Man. Claims 2 - 9 depend from claim 1 and are allowable for at least this reason.

Man does not teach or suggest a software system which includes *a first resource locator* for a first component and *a second resource locator* for a second component where *the first resource locator includes a first resource locator communication scheme indication portion, a first resource locator network node name indication portion, a first resource locator port identifier indication portion and a first resource locator path indication portion and the second resource locator includes a second resource locator communication scheme indication portion, a second resource locator network node name indication portion, a second resource locator port identifier indication portion and a second resource locator path indication portion*, all as required by claim 10. Accordingly, claim 10 is allowable over Man. Claims 11 - 17 depend from claim 10 and are allowable for at least this reason.

Man does not teach or suggest a computer program product which includes using instructions to use a module to communicate the message from a first component to a second component of the software system where the using instructions include *resource locator instructions to use a first resource locator to identify the first component and to use a second resource locator to identify the second component*, and where *the first resource locator includes a first resource locator communication scheme indication portion, a first resource locator network node name indication portion, a first resource locator port identifier indication portion and a first resource locator path indication portion and the second resource locator includes a second resource locator communication scheme indication portion, a second resource locator network node name indication portion, a second resource locator port identifier indication portion and a second resource locator path indication portion*, all as required by claim 18. Accordingly, claim 18 is allowable over Man. Claims 19 - 26 depend from claim 18 and are allowable for at least this reason.

In view of the arguments set forth herein, the application is believed to be in condition for allowance and a notice to that effect is solicited. Nonetheless, should any issues remain that might be subject to resolution through a telephonic interview, please telephone the undersigned.

I hereby certify that this correspondence is being sent to the COMMISSIONER FOR PATENTS via the USPTO Central Facsimile on May 8, 2006.

Attorney for Applicant(s) — Date of Signature: 5/8/06

Respectfully submitted,

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